

Name _____ Period _____ Date _____

Volume by Water Displacement Lab

Objectives:

- to determine the volume of regular objects (like cubes)
- to define the term “meniscus”
- to read a graduated cylinder using the meniscus
- to determine the volume of an irregular object using water displacement

Materials:

- Graduated Cylinder
- Calculator
- Water
- Samples

Procedure

1. There are drawers containing all of the materials you need for this lab.
2. You are to form groups of 4 and work together to accurately measure the volume of the samples included.
3. Use standard measurement and mathematics or volume displacement to find a sample’s volume.
4. Record your findings in the table provided.

Standard object volume: **Length X Width X Height = Volume in cm³**

Irregular object volume: **Ending Volume – Starting Volume = volume in mL**

Object	L x W x H <u>or</u> Start and Finish Volumes	Object Volume (cubic cm or mL)